

## Features

- 24VDC Class 2 and wet rated fixtures made to order up to 144". Fixtures can be linked up to 37' depending on output
- Suitable for undercabinet, millwork recessed, and surface mount applications
- Dot free even illumination with frosted lens
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- Average Life (L70): 50,000hrs
- 5 year warranty

- Warm Dim follows the incandescent dimming curve and is compatible with MLV, ELV, and Incandescent dimmers.
- Tunable White allows individual control of CCT and output, can be paired with Vintage Dim power supply for warm dim effect
- RGB offers balanced output across the color gamut and a true white with RGBW
- Smart Pixel allows for infinite color combinations with cascading and chasing effects

### Finish Options (see page 3 for additional information)

Base  Silver Anodized

Powder Coat  Black  Bronze  White

Premium  Matte Black  Warm Nickel  Aged Brass  
 Polished Gold  Chrome



## Technical Information

TYPE	Warm Dim			Tunable White			RGB		RGBW		Pixel	
	WD51 (22K-38K)			TW51 (22K-40K)			RGB42		RGBW36		RGBX18	RGBWX18
	SO	HO	VHO	SO	HO	VHO	SO	HO	SO	HO	SO	SO
Lumens Output (All On w/ Clear Lens)	113 lm/ft	237 lm/ft	338 lm/ft	194 lm/ft	238 lm/ft	327 lm/ft	126 lm/ft	186 lm/ft	127 lm/ft	211 lm/ft	101 lm/ft	154 lm/ft
Average Power Consumption (for a 4' section)	2.3 W/ft	4.7 W/ft	6.9 W/ft	4.4 W/ft	5.4 W/ft	7.6 W/ft	4.5 W/ft	8.3 W/ft	4 W/ft	7.6 W/ft	4.5 W/ft	5.7 W/ft
Efficacy	49 lm/W	50 lm/W	49 lm/W	44 lm/W	44 lm/W	43 lm/W	28 lm/W	22 lm/W	32 lm/W	28 lm/W	22 lm/W	27 lm/W
Max Run Length (in series)	37 ft	22 ft	15 ft	27.9 ft	22 ft	15 ft	28 ft	14 ft	26 ft	13 ft	30 ft	20 ft
Ambient Operating Temperature Range*	-13°F - 122°F (-25°C - 50°C)	-13°F - 113°F (-25°C - 45°C)	-13°F - 122°F (-25°C - 50°C)	-13°F - 104°F (-25°C - 40°C)	-13°F - 122°F (-25°C - 50°C)	-13°F - 95°F (-25°C - 35°C)	-13°F - 122°F (-25°C - 50°C)	-13°F - 104°F (-25°C - 40°C)	-13°F - 122°F (-25°C - 50°C)			
Control/Dimming Protocol	0-10V, DALI, DALI2, MLV (Triac), ELV, Incandescent	0-10V, DMX, DALI-DT8	0-10V, DMX, DALI-DT8	DMX, DALI-DT8	DMX, DALI-DT8	DMX, DALI-DT8	SPI Protocol UCS 2903	SPI Protocol UCS 2904	SPI Protocol UCS 2903	SPI Protocol UCS 2904		

\* Ambient Operating Temperature Range to maintain L70 of 50k+ hours in normal mounting conditions for the fixture. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquiries.

### Warm Dim Wet (WD51)

CCT	Multiplier (ref. - 18K30K)	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
22K30K	2200K 3000K	96	81	87	94
		98	96	100	96
22K35K	2200K 3500K	96	81	87	94
		98	96	101	99
22K38K	2200K 3800K	96	81	87	94
		98	96	102	93

### Tunable White Wet (TW51)

CCT	TM-30				
	CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>	
22K40K	2200K	96	81	87	94
	3000K	98	96	102	97
	4000K	95	93	100	86

### RGBW (4000K)

Tape	TM-30			
	CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
RGBW36	95	93	106	84
RGBWX18	93	91	99	64

### Dominant Wavelength

Color	RGB42/ RGBW36	RGBWX18
Red	620nm	621nm
Green	525nm	519nm
Blue	467nm	465nm

## Ordering Code

MODEL	LENGTH <sup>1</sup>	OUTPUT <sup>2</sup>	CCT	LENS	MOUNTING	FINISH <sup>3</sup>	FEED POSITION LEFT <sup>5</sup>	FEED POSITION RIGHT <sup>5</sup>
K45MW-Kendo 45M Wet	12"-144"	WD51SO - Standard WD51HO - High WD51VHO - Very High	22K30K - 2200K- 3000K 22K35K - 2200K- 3500K 22K38K - 2200K- 3800K	C-Clear F-Frosted 13-13° Semi-Frosted	CB-Concealed Bracket	BASE SA - Silver Anodized POWDER COAT BK - Black BZ - Bronze WH - White	WIRE LEADS (72") IWE - Wire End Feed LWB - Wire Back Feed LNPF - No Power Feed	WIRE LEADS (72") RWE - Wire End Feed RWB - Wire Back Feed RNPF - No Power Feed
	12"-144"	TW51SO - Standard TW51HO - High TW51VHO - Very High	22K40K - 2200K- 4000K					
	12"-144"	RGBW36SO - Standard RGBW36HO - High RGB42SO - Standard RGB42HO - High	CLR - Color			PREMIUM MBK - Matte Black WN - Warm Nickel AB - Aged Brass PG - Polished Gold <sup>4</sup> CH - Chrome <sup>4</sup>	QUICK CONNECTS (6") LFE - Female Q/C, End Feed LFB - Female Q/C, Back Feed LNPF - No Power Feed	QUICK CONNECTS (6") RFE - Female Q/C, End Feed RFB - Female Q/C, Back Feed RNPF - No Power Feed
	12"-144"	RGBWX18SO - Standard RGBX18SO - Standard	PXSPI - Smart Pixel Control					

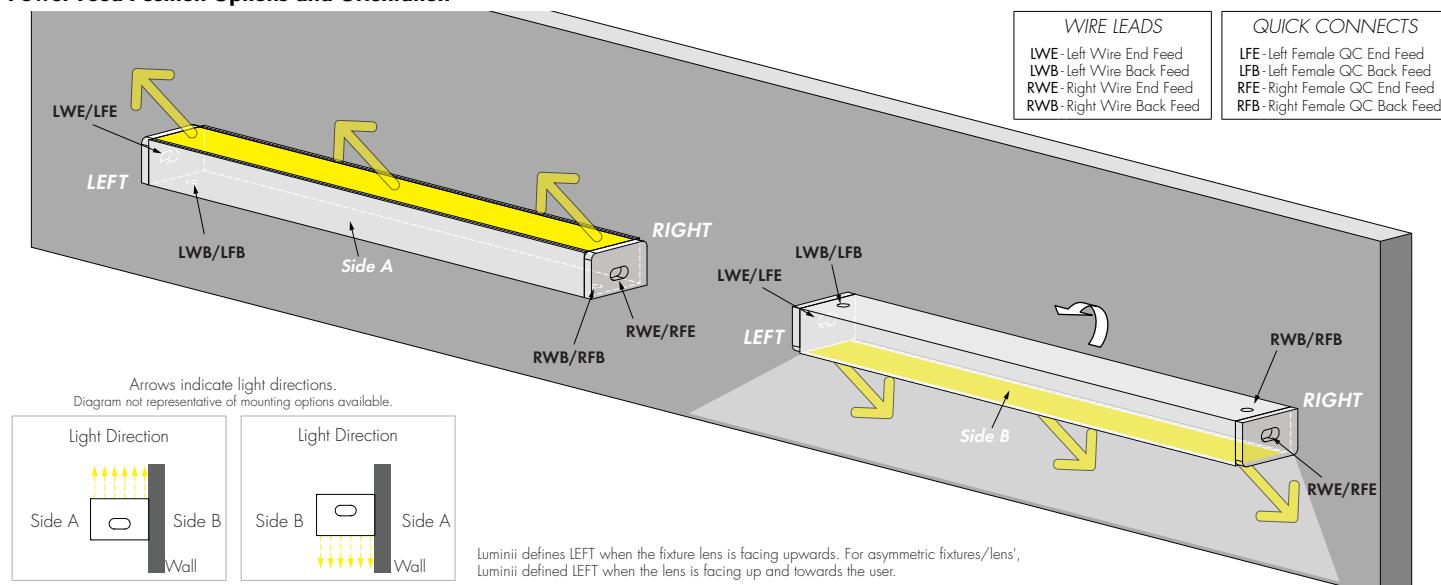
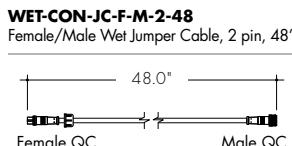
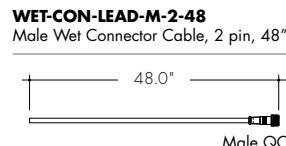
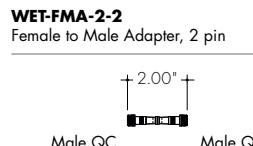
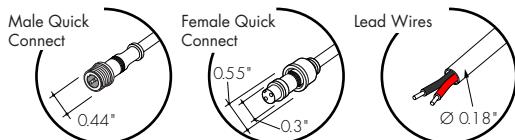
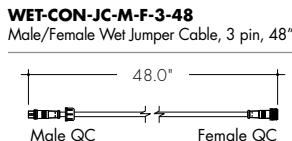
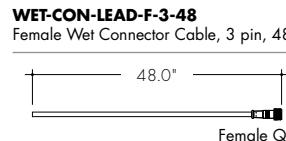
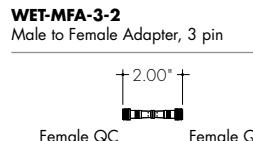
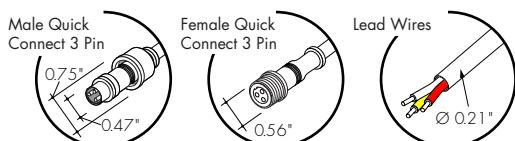
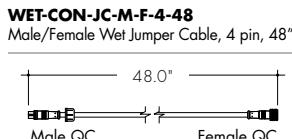
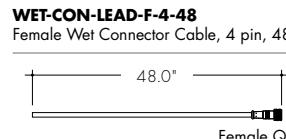
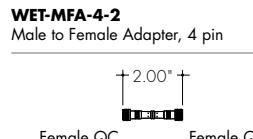
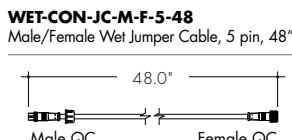
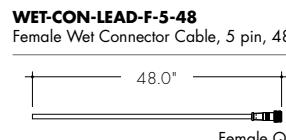
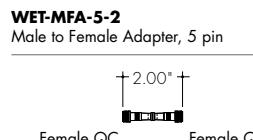
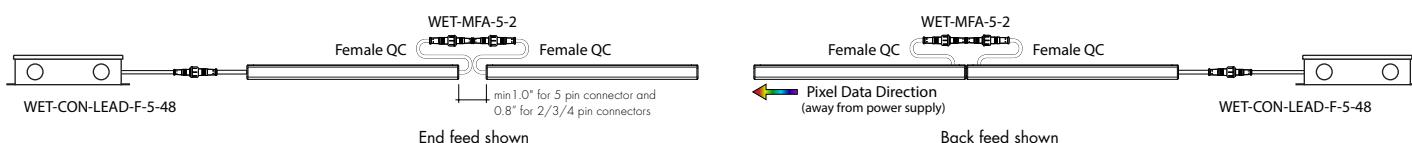
1 - Custom lengths and increments are available, please consult Inside Sales with specific request.

2 - Warm Dim and Tunable White options can be used to comply with Title 24 JA8 at max brightness depending on lens selection, see multiplier charts to calculate specific efficacy.

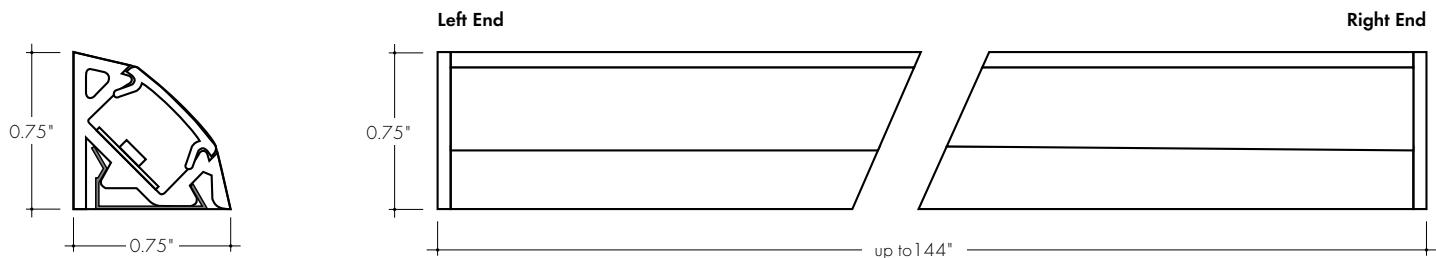
3 - Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request.

4 - Polished Gold finishes and Chrome finishes have a maximum fixture length of '96".

5 - LNPF - RNPF is not a valid configuration option.

**Powerfeeds and Connectors****Power Feed Position Options and Orientation****Linking and Extension Cable Options****For use with Warm Dim (WD51):****For use with Tunable White (TW51), RGB Pixel (RGBX18) and RGBW Pixel (RGBWX18):****For use with RGB (RGB42):****For use with RGBW (RGBW36):****Sample Layout**

## Product Dimensions



## Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Base finishes may have extended lead times and price adder.
- Polished Gold and Chrome finishes have a maximum fixture length of 96".
- Custom RALs are available, please consult Inside Sales with specific request.

**Silver Anodized  
Base**



Silver Anodized is a soft silver with a clear finish.

**Black  
Powder Coat**



Black is a true deep black with a glossy finish.

**Bronze  
Powder Coat**



Bronze is a rich, dark brown with a satin finish.

**White  
Powder Coat**



White is a polar bright white and field paintable.

**Matte Black  
Premium**



Matte Black is a dark, pitch-black with a soft flat finish.

**Warm Nickel  
Premium**



Warm Nickel is a soft, silvery smoke with warm tones and a satin finish.

**Aged Brass  
Premium**



Aged Brass is a deep brown shade with slightly golden undertones.

**Polished Gold  
Premium**



Polished Gold is bright and radiant for a brilliant finish.

**Chrome  
Premium**



Chrome is a highly reflective silver polish.

## Light Transmission and Dotting

Output Options	Lens/Accessory											
	Clear Lens				13° Lens				Frosted Lens			
Dimming Level	100%	50%	10%	1%	100%	50%	10%	1%	100%	50%	10%	1%
WD51SO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
WD51HO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
WD51VHO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
TW51SO (All On)	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
TW51HO (All On)	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
TW51VHO (All On)	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
TW51SO (1 CH)	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
TW51HO (1 CH)	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
TW51VHO (1 CH)	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
RGBW36SO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	SD	CD
RGBW36HO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	SD	CD
RGB42SO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
RGB42HO	CD	CD	CD	CD	CD	CD	CD	CD	ND	ND	ND	ND
RGBWX18SO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
RGBX18SO	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD	CD
<b>Transmission Percentage</b>	100%				88%				53%			

Use complete Dotting  
Chart Tool online  
for more dotting  
information



I'm also click-able



**CD** - Clear Dotting

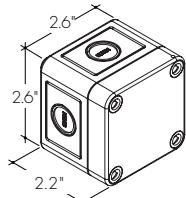
**SD** - Slight Dotting

**ND** - No Dotting

## Accessory Options

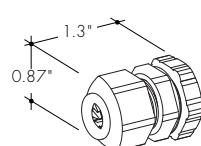
### LVSP-WET

Splice box: wet rated, low voltage, gray, IP66



### LVSP-WET-CM

Connector for splice box, low voltage for cable  
management, gray.



## Power Consumption

Please visit the link/QR code below to access the Luminii Power Consumption Chart tool on our website.

There you will be able to select your fixture, output, and desired power feed to get a full power consumption table.



Desired Nominal Length: \_\_\_\_\_

Desired Output: \_\_\_\_\_

Desired CCT: \_\_\_\_\_

I'm also click-able

## Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
<b>5</b>	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
<b>10</b>	544.1	342.2	215.1	135.3	85.1	53.5	33.7
<b>15</b>	362.7	228.1	143.4	90.2	56.7	35.7	22.4
<b>20</b>	272.0	171.1	107.6	67.7	42.6	26.8	16.8
<b>25</b>	217.6	136.9	86.1	54.1	34.0	21.4	13.5
<b>30</b>	181.4	114.1	71.7	45.1	28.4	17.8	11.2
<b>35</b>	155.5	97.8	61.5	38.7	24.3	15.3	9.6
<b>40</b>	136.0	85.5	53.8	33.8	21.3	13.4	8.4
<b>45</b>	120.9	76.0	47.8	30.1	18.9	11.9	7.5
<b>50</b>	108.8	68.4	43.0	27.1	17.0	10.7	6.7
<b>55</b>	98.9	62.2	39.1	24.6	15.5	9.7	6.1
<b>60</b>	90.7	57.0	35.9	22.6	14.2	8.9	5.6
<b>65</b>	83.7	52.6	33.1	20.8	13.1	8.2	5.2
<b>70</b>	77.7	48.9	30.7	19.3	12.2	7.6	4.8
<b>75</b>	72.5	45.6	28.7	18.0	11.3	7.1	4.5
<b>80</b>	68.0	42.8	26.9	16.9	10.6	6.7	4.2
<b>85</b>	64.0	40.3	25.3	15.9	10.0	6.3	4.0
<b>90</b>	60.5	38.0	23.9	15.0	9.5	5.9	3.7
<b>96</b>	56.7	35.6	22.4	14.1	8.9	5.6	3.5

## Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

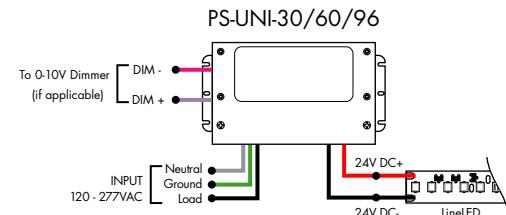
### For use with Warm Dim

#### Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

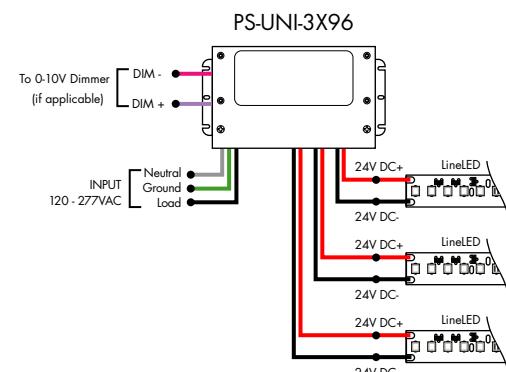
MODEL	INPUT CONTROL	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC

**Compatibility:** View a complete list of compatible dimmers on the PS-UNI product page.

0-10V - 0.1% dimming  
MLV/ELV/TRIAC - 0.1% dimming, consult dimming compatibility chart

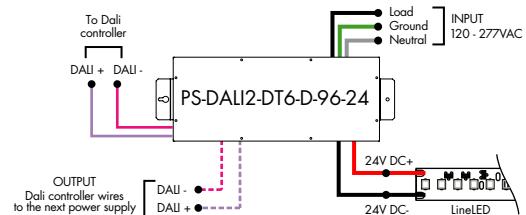


MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
<b>Length</b>	6.50"	7.40"	8.66"	11.85"
<b>Width</b>	3.73"	3.73"	3.73"	4.32"
<b>Depth</b>	1.61"	1.61"	1.61"	1.81"



#### Ordering Code - DALI 2 Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS-Power Supply, 120-277VAC	DALI2-DT6-DALI2 DT6 (0.1%)	D-Dry	96 - 96 Watts	24 - 24 VDC



Model	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

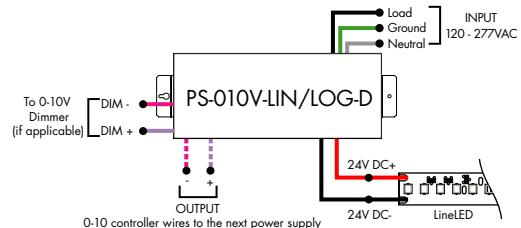
## Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

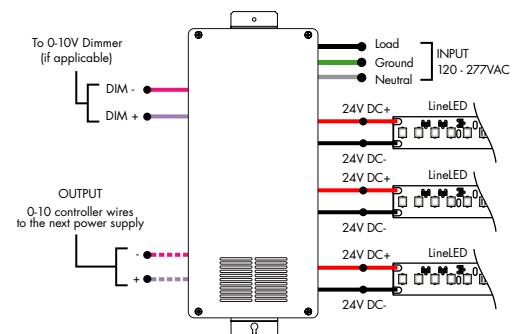
### For use with Warm Dim

#### Ordering Code - 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-LIN-0-10V Dimming (0.1%), Linear 010V-LOG-0-10V Dimming (0.1%), Logarithmic	D-Dry	96-96 Watts 3x96-3x96 Watts	24-24 VDC



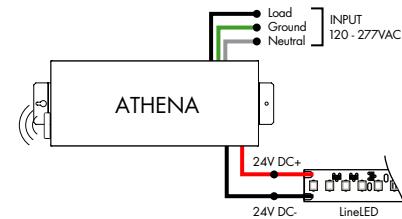
PS-010V-LIN/LOG-D-3X96



MODELS	96W	3X96
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.45"

#### Ordering Code - Athena 0-10V LED Driver

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-LIN-0-10V Dimming (0.1%), Linear 010V-LOG-0-10V Dimming (0.1%), Logarithmic	D-Dry	96-96 Watts	24-24 VDC	AWNR-Athena



MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

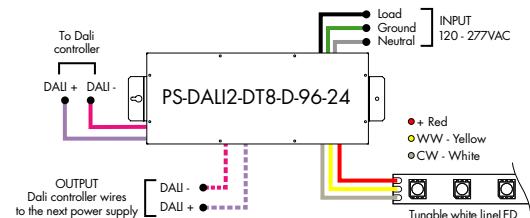
## Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

### For use with Tunable White

#### Ordering Code - DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC

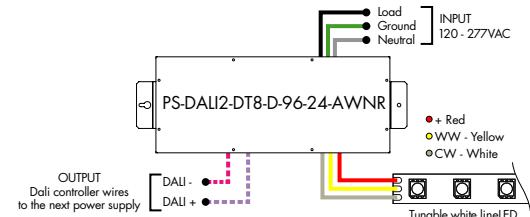
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI2-DT8 - DALI DT8 Tunable White (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC



MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

#### Ordering Code - Athena DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC

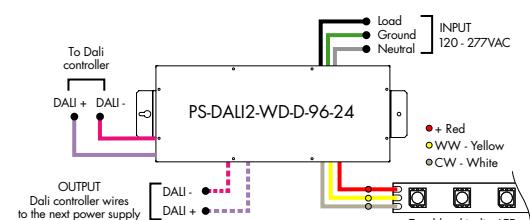
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	DALI2-DT8 - DALI DT8 Tunable White (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC	AWNR - Athena



MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

#### Ordering Code - DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC - for Dim-to-Warm functionality with Tunable White Output

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DALI2-WD - DALI2 DT6 WWarm Dim (0.1%)	D - Dry	96 - 96 Watts	24 - 24 VDC

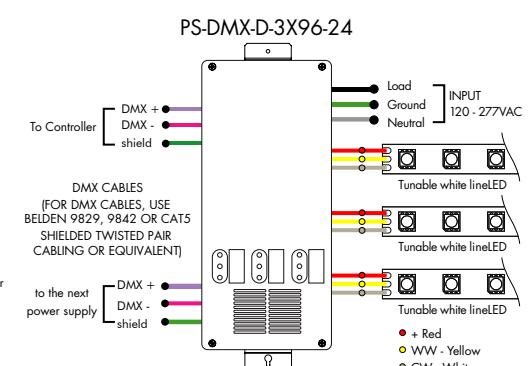
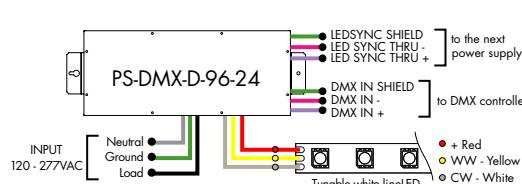


MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

#### Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DMX - DMX (0.1%)	D - Dry	96 - 96 Watts 3X96 - 3X96 Watts	24 - 24 VDC

DMX CABLES  
(FOR DMX CABLES, USE BELDEN 9829, 9842, OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)



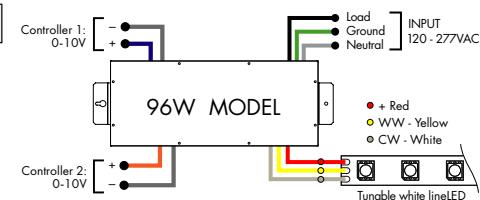
## Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

### For use with Tunable White

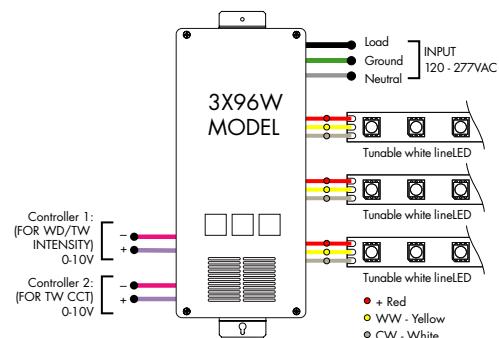
#### Ordering Code - VintageDim® 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	010V-WD - 0-10V Dimming (0.1%), Standard Warm Dim Curve (with Tunable White LED)	D - Dry	96 - 96 Watts 3X96 - 3x96 Watts <sup>1</sup>	24 - 24 VDC
	010V-TW - 0-10V Dimming (0.1%), Two Channel Control, Brightness and CCT1-CCT2 Ratio			
	010V-2CH - 0-10V Dimming (0.1%), Two Channel Control, LED1 Brightness and LED2 Brightness			
	010V-WDX - 0-10V Dimming (0.1%), Customizable Warm Dim Curve (with Tunable White LED)			
	010V-2CHX - 0-10V Dimming (0.1%), Two Channel Control, Customizable Brightness and CCT1-CCT2 Ratio			



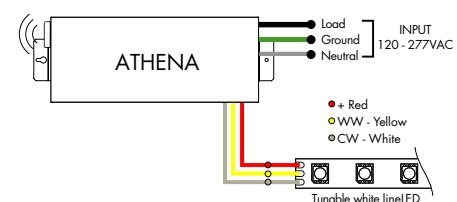
1 - 3x96 is only available with input control options 010V-WD and 010V-TW

MODELS	96W	3X96
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.56"



#### Ordering Code - Athena VintageDim® 0-10V Power Supply 0.1% 120VAC - 277VAC - for Dim-to-Warm functionality with Tunable White Output

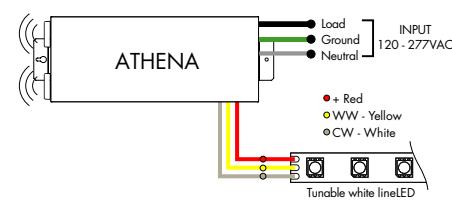
MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-WD - 0-10V Dimming, Standard Warm Dim Curve (with Tunable White LED)	D - Dry	96 - 96 W	24-24 VDC	AWNR - Athena



MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

#### Ordering Code - Athena VintageDim® 0-10V Two Channel LED Driver, 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT	FEATURE
PS - Power Supply, 120-277VAC	010V-2CH - 0-10V Dimming Two Channel Control, LED1 Brightness and LED2 Brightness	D - Dry	96 - 96 W	24-24 VDC	AWNR - Athena



MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"

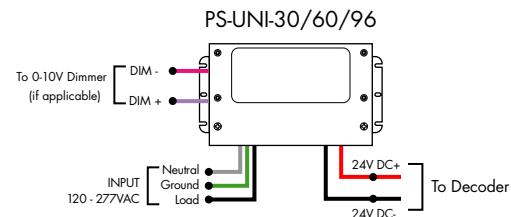
## Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

### For use with RGB/RGBW

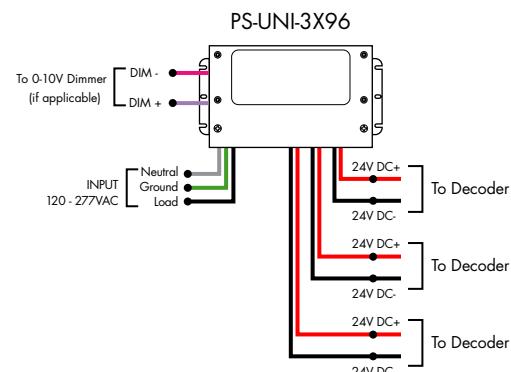
#### Ordering Code - Universal Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	UNI - 0-10V Dimming (0.1%), Phase Dimming (0.1%)	30 - 30 Watts 60 - 60 Watts 96 - 96 Watts 3x96 - 3x96 Watts	24 - 24 VDC



MODELS	PS-UNI-30W	PS-UNI-60W	PS-UNI-96W	PS-UNI-3X96W
<b>Length</b>	6.50"	7.40"	8.66"	11.85"
<b>Width</b>	3.73"	3.73"	3.73"	4.32"
<b>Depth</b>	1.61"	1.61"	1.61"	1.81"

REQUIRES A CONTROLLER AND A DECODER TO WORK PROPERLY

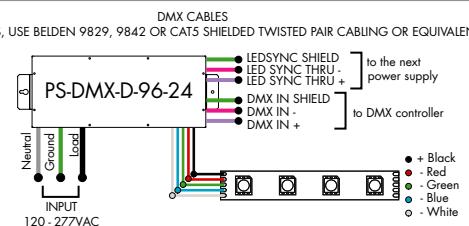


### For use with RGB/RGBW

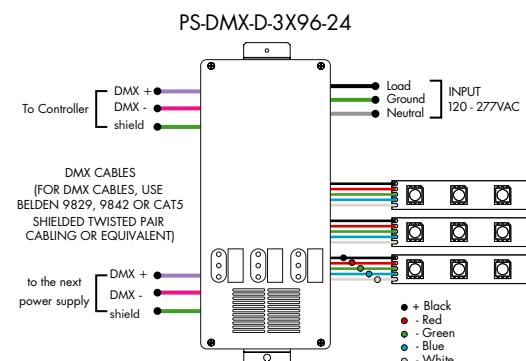
#### Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - Power Supply, 120-277VAC	DMX - DMX (0.1%)	D-Dry	96 - 96 Watts 3X96 - 3X96 Watts	24 - 24 VDC

DMX CABLES (FOR DMX CABLES, USE BELDEN 9829, 9842 OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)



MODELS	96W	3X96
<b>Length</b>	14.40"	15.00"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.56"

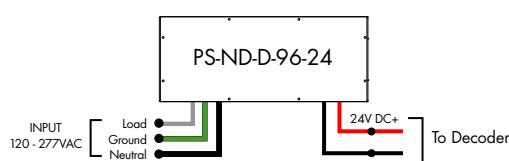


### For use with RGB/RGBW/Pixel

#### Ordering Code - Non-Dimming Power Supply 120VAC - 277VAC

MODEL	INPUT CONTROL	ENVIRONMENT	WATTAGE	OUTPUT
PS - PSV Series	ND - Non Dimming	D - Dry	96 - 96 Watts	24 - 24 VDC

MODELS	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"



REQUIRES A CONTROLLER AND A DECODER TO WORK PROPERLY

## Controllers and Decoders

### For use with Tunable White Power Supplies



ORDERING CODE

MODEL

DTW-MC

DTW-MC - Tunable White controller

Tunable White wall-mount controller controls lighting fixtures, wireless control of TW lighting fixture. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

#### Features

- Switch & dimming control function, control range > 20M.
- Smooth transition between light levels.
- Separately operate dimming and color temperature functions.
- Able to control 1 zone with endless receivers. Each receiver can maximally be controlled by 8 remotes.
- Power, temperature color and dimming functions operated by push button after receivers are connected.

#### Operating Voltage

3V DC battery

#### Color Parameters

- Brightness
- Saturation
- Fading



ORDERING CODE

MODEL

TW-DMX

TW-DMX - DMX controller

Tunable White DMX wall-mount controller is a fully touch sensitive controller designed in accordance with standard protocol DMX512. Offers fast and accurate color temperature adjustment and brightness dimming of natural white, warm white and cold white. Designed with a touch color wheel, the DMX512 controller can adjust color temperature and brightness for all white LEDs smoothly and accurately. The DMX controller can control 1 zone with endless decoders.

#### Features

- 1 zone
- 6 color scenes
- DMX Control
- Touch Sensitive Glass Surface
- Dimming and Speed Control
- Memory Function
- Easily Fits Standard US Switch Boxes

#### Operating Voltage

12 - 24V DC

#### Color Parameters

- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed



ORDERING CODE

MODEL

SLD-DIMTW

SLD-DIMTW - Tunable white LED dimming module

The SLD DimTW is a constant voltage warm dimming LED dimming module. The unique dimming module accepts 0-10V control and mimics a smooth, incandescent dimming curve.

#### Features

- Flicker free 0-100% dimming
- High efficiency up to 97%
- High precision dimming ratio:>1:1000
- Fully isolated plastic housing
- Comply with EN55015 and FCC part 15 without additional input filter and capacitors
- compact size, high reliability
- 3 years warranty

#### Operating Voltage

8-48 VDC

## Controllers and Decoders

### For use with Tunable White, RGB/RGBW Power Supplies



ORDERING CODE

MODEL

DDMX-RGBW

DDMX-RGBW - DMX decoder

Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output.

**Operating Voltage**

12-36 VDC

**Power Capacity**

up to 96W at 24V

**Operating Temperature Range**

from -4°F to +122°F in case



The RGBW receiver is easily paired with controller by the click of a button. Receiver can be reset to factory settings at any time.

Each receiver can store one static RGB color, one color sequence, and one brightness setting for the white LED strip. Receivers assigned to the same scene within the same zone will have the same LED static color and color sequence.

**Operating Voltage**

12-36 VDC

**Power Capacity**

up to 96W at 24V

**Operating Temperature Range**

from -4°F to +122°F in case

ORDERING CODE

MODEL

RGBW-RC-R

RGBW-RC-R - RGBW receiver



Extends identical signal when connected in series to an RGBW LED control system. The RGBW signal repeater works with Luminii RGB and RGBW controllers, receivers, and decoders.

RGBW signal can be extended indefinitely when adequate power supply (not included) is connected to the system.

**Operating Voltage**

12-36 VDC

**Power Capacity**

up to 96W at 24V

**Operating Temperature Range**

from -4°F to +122°F in case

ORDERING CODE

MODEL

RGBW-SR

RGBW-SR - RGBW signal repeater

## Controllers and Decoders

### For use with RGB/RGBW Power Supplies



ORDERING CODE

MODEL

RGBW-MC3

RGBW-MC3 - 4-zone RGBW controller

Easy to operate wireless interface suitable for static or color changing scenes. Control 4 different color zones separately or at the same time. RGBW receiver (RGBW-RC-R) required for operation. Assign multiple receivers per zone to cover a large area.

Color wheel enables highly stable and sensitive color control functionality. Create your own color changing sequences with ease and flexibility.

#### Power

- qty 3 AAA batteries

#### Scenes

- up to 4 unique zones

#### Signal

- Wireless (RF)

#### Energy Saving

- Deactivates after 10 seconds of inactivity

#### Color Parameters

- Brightness
- Saturation
- Primary colors
- Speed of color changing sequence
- Fading



ORDERING CODE

MODEL

ZONES

COLOR

DMX-DMX  
Controller3Z-Three Zone  
1Z-One ZoneRGBW-Red,Green,  
Blue,& White

DMX /Wireless RGB-W wall-mount controller controls DMX lighting fixtures, wireless control of RGB-W lighting fixture or use both simultaneously. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Control brightness levels with a single touch, personalize and memorize 3 different scenes, and even create 3 variations of white.

#### Features

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- 65,000 Color Options, Dimming and Speed Control
- Memory Function
- 50 Foot Wireless Range
- Easily Fits Standard US Switch Boxes
- Touch Sensitive Glass Surface
- Includes 10 Built in Programs, or Create and Play Your Own

#### Operating Voltage

- 12 - 24V DC

#### Color Parameters

- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed

### For use with Tunable White, RGB/RGBW, Pixel Power Supplies



ORDERING CODE

MODEL

TSDMX-E

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can control endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

#### Features

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

#### Power Supply

- 7 VDC (included)

#### Programmability

- PC, Mac, Tablet, Smartphone

#### Output Signal

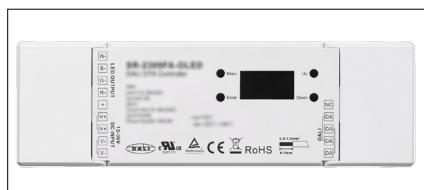
- DMX512 (1024 channels)

#### Color Parameters

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

## Controllers and Decoders

### For use with Tunable White, RGB/RGBW Power Supplies



ORDERING CODE

MODEL

DALI2-DT8-RGBW

DALI2-DT8-RGBW - DALI-2 RGBW Decoder

A 4-channel DALI2 DT8 decoder designed to control RGB, RGBW, and TW LED fixtures, featuring adjustable color temperature and customizable lumen output.

**Voltage/Frequency**  
12-36VDC

**Ambient Operating Temperature Range**  
-20 to 50 °C

**Max Output Power**  
4 output channels, 60-180W each

**Environment**  
Dry (IP20)

**Max Output Current**  
4 output channels, max of 5A each



ORDERING CODE

MODEL

DDMX-5CH-RDM-PRO

DDMX-5CH-RDM-PRO - DMX512 Decoder

DMX512 decoder with RDM functionality features 5 PWM output channels with common anode. High PWM output frequency range allows the product to be used in HD video conferencing spaces. All DMX products to be installed per DMX512 Standard.

**Power**

96 Watt

**PWM Output Resolution Ratio**

8 or 16 bit

**Inputs**

RJ45, XLR-5Pin, Terminal Block

**PWM Output Frequency**

500Hz - 30KHz

**DMX Channels**

1 to 5 settable

**Output Dimming Curve Gamma Value**

0.1 ~ 9.9



ORDERING CODE

MODEL

RGBW-WI-R

RGBW-WI-R - WiFi generator

RGBW-WI-R creates a local network that enables any electronic device (phone, tablet, etc.) to control the RGB/W strip connected to a RGBW-RC-R receiver.

The control functions are achieved through a free application download for Android and iOS devices called REALCOLOR.

**Operating Voltage**

12-36 VDC

**Operating Temperature Range**

from -4°F to +122°F in case

**Power Supply**

PI-130-24 (included)

### For use with Pixel Power Supplies



ORDERING CODE

MODEL

SR-DMX-SPI

SR-DMX-SPI - Smart Pixel Decoder

The SR-DMX-SPI is a smart LED pixel decoder that controls RGB/RGBW pixel LED strips with SPI signal. Designed with an OLED backlit panel, the pixel controller allows for easy configuration of most settings. Four push buttons are available for control of the LED functions.

\*For pixel only.

**Features**

- 2 in 1 in-Wall Controller: DMX Control or Wireless RGB-W
- SPI signal output for RGB/RGBW pixel light control
- DMX512 controllable and RF/WIFI remote controllable
- Capable of addressing up to 1020 RGB pixels & 765 RGBW pixels
- OLED panel allows for easy configuration

**Operating Voltage**

12 - 36V DC

**Power capacity**

up to 96W at 24V

**Operating temperature range**

from -4°F to +122°F in case